

10/532522

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Docket No.: 09086-00222-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Hans-Robert-Hellmuth Damrau et al.

Application No.: Not Yet Assigned

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: RACEMOSELECTIVE PREPARATION OF
BRIDGED METALLOCENE COMPLEXES
HAVING UNSUBSTITUTED OR 2-
SUBSTITUTED INDENYL LIGANDS

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A copy of each reference on the PTO/SB/08 is attached.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this

Application No.: Not Yet Assigned

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application by this firm) to our Deposit Account No. 03-2775, under Order No. 09086-00222-US.

Dated: 4/25/05

Respectfully submitted,

By Helena C. Rychlicki
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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
		Application Number	Not Yet Assigned		
		Filing Date	Concurrently Herewith		
		First Named Inventor	Hans-Robert-Hellmuth Damrau		
		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	1	Attorney Docket Number	09086-00222-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-6,262,286	07-17-2001	Gregorius et al.	
	AB	US-2004/0010157	01-15-2004	Damrau et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	BA	WO-92/09545	06-11-1992	Massachusetts Institute of Technology		
	BB	WO-99/15538	04-01-1999	Targor GmbH		See US 6,262,286
	BC	EP-0 997 480	05-03-2000	Maruzen Petrochemical Co., Ltd.		
	BD	WO-02/00672	01-03-2002	Basell Polyolefine GmbH		See US 2004/0010157
	BE	DE-100 30 638	01-10-2002	Basell Polyolefine GmbH		See US 2004/0010157
	BF	WO-02/051878	07-04-2002	Sumitomo Chemical Co., Limited		See EP 1 275 662
	BG	EP-1 275 662	01-15-2003	Sumitomo Chemical Co., Limited		
	BH	EP-07-00935	03-13-1995	BASF Aktiengesellschaft		See Abstrsact

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Waymouth, R. et al., "Enantioselective Hydrogenation of Olefins with Homogeneous Ziegler-Natta Catalysts", J. Am. Chem. Soc. (1990), vol. 112, pp. 4911-4914.	
	CB	Waymouth, R. et al., "Enantioselective Cyclopolymerization: Optically Active Poly(methylene-1,3-cyclopentane)", J. Am. Chem. Soc. (1991), vol. 113, pp. 6270-6271.	
	CC	Bochmann, M. et al., "Base-Free Cationic Zirconium Benzyl Complexes as Highly Active Polymerization Catalysts", Organometallics (1993), vol. 12, pp. 633-640.	
	CD	Rheingold, A. et al., "Preparation and Properties of Chiral Titanocene and Zirconocene Dichloride Complexes of a Chiral Ligand", Organometallics (1992), vol. 11, pp. 1869-1876.	
	CE	Wartchow, R. et al., "Synthesis and Characterization of <i>rac</i> -[ethylene-1,2-bis(<i>n</i> ⁵ -4,5,6,7-	

Examiner Signature	Date Considered
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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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				Art Unit	N/A
				Examiner Name	Not Yet Assigned
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		tetrahydro-1-indenyl)]zirconium bisamides (EBTHI)Zr(NHR) ₂ ", Journal of Organometallic Chemistry, (1998) vol. 566, pp. 287-291.	
	CF	Kaminsky W. et al Asymmetric oligomerization of propene and 1-butene with a zirconocene-aluminoxane catalyst. Agnew. Chem 101 (1989) Nr. 9 pp. 1304 - 1306	See Abstract

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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